

Converting Colors

XYZ(51.8704, 40.7519, 10.9264)

Have a look what the booklet for
XYZ(51.8704, 40.7519, 10.9264)
contains.

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Color

**XYZ(51.8704, 40.7519,
10.9264)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8D46
RGB	255, 141, 70
RGB Percent	100%, 55%, 27%
CMY	0.0000, 0.4470, 0.7255
CMYK	0.00, 0.45, 0.73, 0.00
HSL	23°, 100%, 64%
HSV	23°, 73%, 100%
XYZ	51.8704, 40.7519, 10.9264
YIQ	166.9920, 90.7350, 2.0870

Conversions

Conversions Part 2

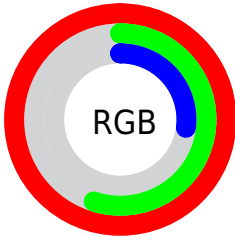
Format	Color
R_{YB}	255, 185, 70
Decimal	16747846
CIE _{Lab}	70.00, 37.90, 55.34
CIE _{LCh}	70, 67.074, 55.593
Yxy	40.7519, 0.5009, 0.3936
Android (android.graphics.Color)	4294937926 (0xFFFF8D46)
YUV	166.9920, -47.8171, 77.1830
Hunter-Lab	63.8372, 33.3236, 34.5380

Details

The XYZ color **51.8704, 40.7519, 10.9264** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **37.7152, 42.8007, 100.8808**, and the grayscale version is **36.9225, 38.8453, 42.3026**.

A 20% lighter version of the original color is **64.4928, 62.1450, 27.0084**, and **25.4041, 18.3886, 2.7006** is the 20% darker color. If you saturate the color by 10%, you get **49.0749, 36.1875, 6.8310**, and if you desaturate by 10%, it is **55.3379, 46.1146, 16.9309**.

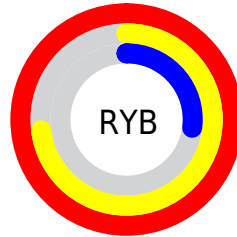
Distribution



Red (100%)

Green (55%)

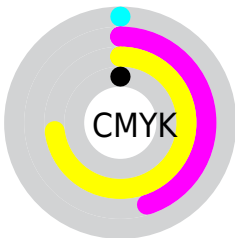
Blue (27%)



Red (100%)

Yellow (73%)

Blue (27%)

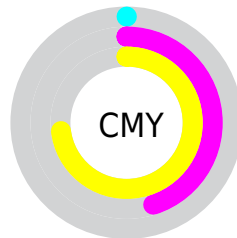


Cyan (0%)

Magenta (45%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (45%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8704, 40.7519, 10.9264 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 51.8704, 40.7519, 10.9264 by changing the saturation by 10% instead.


 51.8704, 40.7519,
10.9264


 51.8704, 40.7519,
10.9264


384.2683,
349.2826, 207.8812


 37.1256, 28.1253,
5.9038


 92.1154, 76.3071,
28.1586

 25.4789, 18.4201,
2.7188


 118.3464,
100.0045, 41.2052


 16.5648, 11.2520,
0.9529


 149.1369,
128.1610, 57.7636

 10.0181, 6.2366,
0.0000

 184.8521,
161.1608, 78.2524

 5.4733, 2.9895,
0.0000

 225.8575,
199.3885, 103.0899

 2.5651, 1.1262,
0.0000

272.5184,

 0.9282, 0.0002,

243.2285, 132.6949

0.0000

325.2002,
293.0650, 167.4858

■ 0.0000, 0.0000,
0.0000

■ 51.8704, 40.7519,
10.9264

■ 51.8704, 40.7519,
10.9264

■ 49.0749, 36.1875,
6.8310

■ 55.3379, 46.1146,
16.9309

■ 46.8883, 32.3688,
4.3927

■ 59.5261, 52.3104,
25.0494

■ 45.5956, 29.9716,
3.3819

■ 64.4815, 59.3794,
35.4622

■ 70.2455, 67.3567,
48.3296

■ 76.8561, 76.2754,
63.7973

84.3488, 86.1666,
81.9995

92.7569, 97.0601,
103.0614

95.0498, 99.9999,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.9587, 40.7519, 23.1123



51.8704, 40.7519, 10.9264



40.3717, 40.7519, 7.3416

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.8704, 40.7519, 10.9264



21.3247, 40.7519, 39.9037



48.5442, 40.7519, 123.8475

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



51.8704, 40.7519, 10.9264



37.7152, 42.8007, 100.8808

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



37.1401, 40.7519, 135.5570



51.8704, 40.7519, 10.9264



22.6971, 40.7519, 75.7968

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51.8704, 40.7519, 10.9264



23.8474, 40.7519, 18.3024



28.0260, 40.7519, 114.8993



58.7987, 40.7519, 87.8360

Rectangle

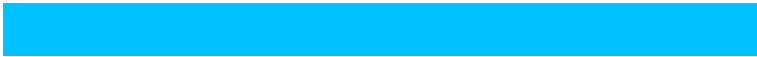
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.8704, 40.7519, 10.9264



33.3523, 40.7519, 7.9732



28.0260, 40.7519, 114.8993



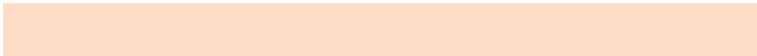
44.6644, 40.7519, 131.3111

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



51.8713, 40.7541, 10.9271



77.2440, 76.7924, 64.7232



52.0906, 29.1047, 48.2658



16.1286, 15.8957, 12.8903



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.8713, 40.7541, 10.9271



48.0304, 34.3983, 5.5579



71.6023, 80.2160, 17.5041



18.5809, 19.1300, 18.8575



23.9580, 15.9273, 1.8116



2.4345, 1.7544, 0.2103

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



37.7152, 42.8007, 100.8808



33.0286, 36.2391, 99.8618



24.3672, 16.1048, 96.4315



17.9351, 19.2417, 23.0187



15.8917, 16.6930, 51.8191



1.6531, 1.8369, 5.0807

Previews

White Background



This preview shows how the XYZ color 51.8704, 40.7519, 10.9264 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 51.8704, 40.7519, 10.9264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8704, 40.7519, 10.9264

Background



This preview shows how black text looks on a background with the XYZ color 51.8704, 40.7519, 10.9264.



This preview shows how white text looks on a background with the XYZ color 51.8704, 40.7519,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

51.8704, 40.7519, 10.9264

Protanopia

37.3990, 41.0167, 13.3430

Deuteranopia

41.7542, 40.8607, 10.5367



Tritanopia

54.9380, 40.6016, 31.3269

Trichromacy



Original Color

51.8704, 40.7519, 10.9264

Protanomaly

41.7809, 40.3077, 12.4155

Deuteranomaly

45.0178, 40.4941, 10.5977

Tritanomaly

53.3965, 40.4357, 21.8202

Monochromacy



Original Color

51.8704, 40.7519, 10.9264

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

39.9449, 38.2618, 27.1097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8704, 40.7519, 10.9264 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 141, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 70)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 141, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 70) }
```

Border

The CSS property to change the border of an element to XYZ 51.8704, 40.7519, 10.9264 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 141, 70) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 141, 70) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 141, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 141, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 141, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 141,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8704, 40.7519, 10.9264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 141, 70) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
141, 70) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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